Modeling Tools

Description

Models are essential in software engineering. A model is an abstract representation of an object. We might model the decomposition of a system into components and their dependencies. A model can demonstrate the consistency of the system specifications or be a predictor of system behavior. The analysis of system performance in data throughput or computation efficiency so as to meet critical real-time performance requirements depends on modeling that aspect of system behavior.

Increasingly, models are being used for security analysis. This content area provides an introduction to modeling in the context of security analysis and discusses how tools can support security analysis during development.

Overview Articles

Name	Version Creation Time	Abstract
General Modeling Concepts	8/22/08 9:58:48 AM	This document introduces several concepts and issues that provide a background for understanding the Introduction to Modeling Tools for Software Security[1] article and modeling in general.

Most Recently Updated Articles [Ordered by Last Modified Date]

Name	Version Creation Time	Abstract
Introduction to Modeling Tools for Software Security	8/22/08 10:19:54 AM	Identifying security properties is a non-trivial undertaking within system and software requirements and design. Certain tools can aid in the modeling and analysis effort required. Some of those tools were created with security in mind; many were not but are, nevertheless, useful. This article introduces the security concepts and the kinds of tools that are useful for modeling security properties.
Modeling Tools References	8/22/08 10:19:47 AM	Content area bibliography.
General Modeling Concepts	8/22/08 9:58:48 AM	This document introduces several concepts and issues that provide a background for understanding the Introduction to Modeling Tools for Software Security[2] article and modeling in general.

All Articles [Ordered by Title]

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